EUROPEAN PATENT APPLICATION

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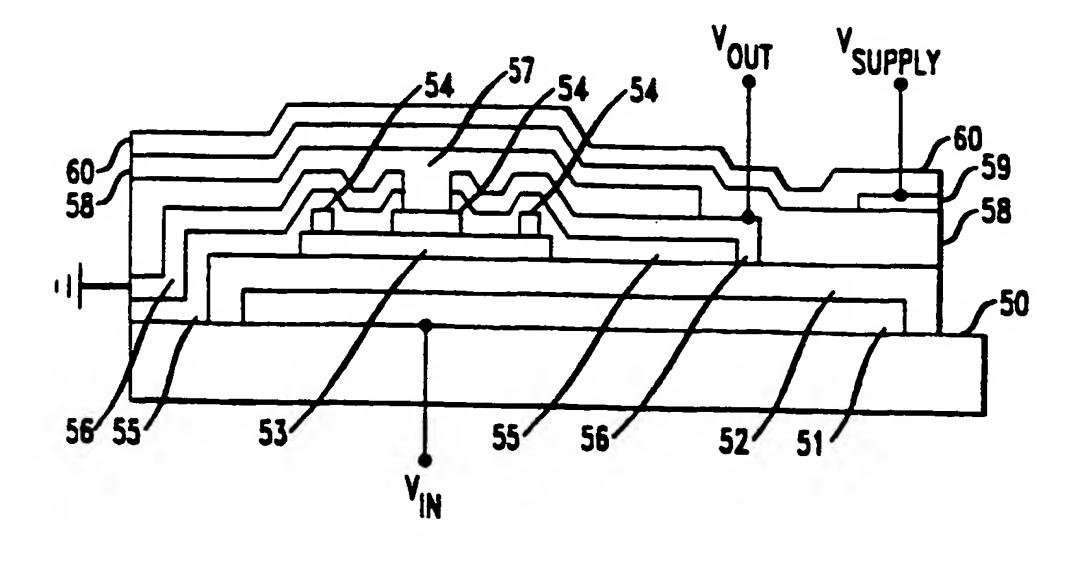
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- (54) Circuit comprising complementary thin film transistors
- (57) In preferred embodiments of the invention, the n-channel inorganic TFTs have an amorphous Si active layer (53), and the p-channel organic TFTs have α -hexathienylene (α 6T) active layer (58). Complementary

inverters according to the invention are disclosed, as is an exemplary processing sequence that can be used to manufacture integrated complementary inverters and other complementary circuits according to the invention.

FIG. 9





EUROPEAN SEARCH REPORT

Application Number EP 97 30 0063

ategory	Citation of document with indic of relevant passage		Relevant to claim	CLASSIFICATION APPLICATION	
P,X	DODABALAPUR A ET AL: organic/inorganic com APPLIED PHYSICS LETTE AIP, USA, vol. 68, no. 16, ISSE pages 2246-2248, XPO * the whole document	mplementary circuits" RS, 15 APRIL 1996, N 0003-6951, 02055715	1,2,4-6	H01L51/20 H01L51/30 H01L27/12	
E	us 5 612 228 A (SHIE) * column 2, line 3 - claims 1-18; figures	column 2, line 30;	1,2,4-6		
A	PATENT ABSTRACTS OF vol. 014, no. 016 (E & JP 01 259563 A (M CORP), 17 October 19 * abstract *	-872), 12 January 1989 ITSUBISHI ELECTRIC	1,2,4		
D,A	DODABALAPUR A ET AL: "ORGANIC HETEROSTRUCTURE FIELD-EFFECT TRANSISTORS" SCIENCE, vol. 269, 15 September 1995, pages 1560-1562, XP000644688			TECHNICAL F SEARCHED	IELDS (lmt.Cl.6)
	The present search report has t				
	Place of search	Date of completion of the search		Examiner	
	THE HAGUE	16 February 199	18 K	önigstein, (<u> </u>
Y	CATEGORY OF CITED DOCUMENTS particularly relevant if taken alone particularly relevant if combined with another than the same category sechnological background non-written disclosure	L: document dis	uplished on, or Ion	· •••••	